

METHOD FOR CONNECTING A WIRELESS DEVICE TO A REMOTE LOCATION ON A NETWORK

ABSTRACT OF THE DISCLOSURE

A method for connecting a wireless device to a remote location on a computer network. A beacon signal is transmitted from a beacon unit disposed at a first geographic location. The beacon signal includes components indicative of a first code and of a second code, the first code being associated with a remote location on a computer network and the second code being associated with an attribute of the beacon unit. The beacon signal is received using a beacon signal receiver circuit disposed with a wireless device at a second geographic location. The first code and the second code are then extracted from the beacon signal. In response to receiving the beacon signal, control signals indicative of the first code and the second code are sent from the beacon signal receiver circuit to the wireless device. In response to receiving the control signals, an RF signal constituting a first message packet is transmitted from the wireless device to an intermediate location on the computer network. The first message packet is indicative of the first code and the second code. The first message packet is received at the intermediate location and the first code and the second code are extracted therefrom. A computer database is accessed from the intermediate location. The database includes a plurality of routing information for remote locations on the computer network and a plurality of first codes. Each of the routing information is associated with at least one of the first codes. The routing information associated with the first code received in the beacon signal is then retrieved, and a reply packet including the routing information is transmitted from the intermediate location across the computer network back to the wireless device. In response to receiving the reply packet, a second message packet is transmitted from the wireless device to a remote location on the network using the routing information just received, thereby connecting the wireless device to the associated remote location.